

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
			P	S	C	End	Cr	P	S	C	End	Cr
AE7DR	Discrete Control	<i>Matuš Radek</i>	2	1	2	z, zk	6					
AE7MV	Process Modeling in Manufacturing Technologies	<i>Carlos Beltran Prieto</i>	3	3	1	z, zk	7					
AE7AS	Analysis and Simulation of Continuous Systems	<i>Gazdoš František</i>	2	0	2	z, zk	6					
AE7OP	Optimisation	<i>Prokop Roman</i>	2	0	2	z, zk	5					
AE7PP	Planning and Simulation of Production Processes	<i>Krayem Said</i>	2	0	2	z, zk	6					
AE8TD	Technical Documentation and Presentation	<i>Vojtěšek Jiří</i>						0	0	2	kl	4
AE8SA	State and Algebraic Control Theory	<i>Gazdoš František, Matuš Radek</i>						2	0	2	z, zk	5
AE8IS	Systems Identification	<i>Kubalčík Marek</i>						2	1	2	z, zk	6
AE8SC	Softcomputing in Automatic Control	<i>Komínková Oplatková Zuzana</i>						2	0	2	z, zk	6
AE8ZS	Signal Processing	<i>Kubalčík Marek</i>						2	1	0	kl	4
Subtotal			24					30				

Code	Compulsory elective subjects *)	Tutors	Winter semester					Summer semester				
AE8EK	Electromagnetic Compatibility	<i>Pospíšilík Martin</i>						2	0	2	z, zk	5
AE8KD	Kinematics and Dynamics of Mechatronic Systems	<i>Novák Jakub</i>						2	0	2	z, zk	5
Total			24					30				

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
AE7PR	Professional Placement	<i>Vašek Vladimír **)</i>	120			z	5	120			z	5

*) The student chooses one of the offered compulsory elective subjects.

**) The Professional Placement subject (i.e. 120 hours work) can be fulfilled during any semester of their follow-up studies

Attachments can be found on the FAI website at: Student FAI / Výuka / Studijní plány - <https://fai.utb.cz/student/vyuka/studijni-plany/>

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
			P	S	C	End	Cr	P	S	C	End	Cr
AE9PR	Industry 4.0	Vašek Lubomír, Mizera Aleš, Lukašik Petr	2	0	2	z, zk	5					
AE9SV	Machine Vision	Novák Jakub	2	0	2	z, zk	5					
AE9RR	Real Process Control	Chalupa Petr	0	1	3	kl	5					
AE9DM	Datamining	Šenkeřík Roman	2	0	2	z, zk	5					
AE9RO	Term Project	Vašek Vladimír	0	1	0	z	1					
AE0TP	Technology of Industrial Information Systems	Neumann Petr						2	0	2	z, zk	4
AE0PR	Designing Real Control Systems	Chalupa Petr, Novák Jakub						1	0	5	kl	8
AE0ZP	Business Basics	Novák Petr						2	1	0	kl	2
AE0PP	Fundamentals of Emergency Health Aid	Burget Niko						7	0	0	z	1
AE0DP	Diploma Thesis	Vašek Vladimír						0	0	18	z	18
Subtotal			17					21				

Code	Compulsory elective subjects *)	Tutors	Winter semester					Summer semester				
AE9PM	Advanced Methods of Automatic Control	Kubalčík Marek	2	0	2	z, zk	6					
AE9RP	Motion Control	Chalupa Petr	2	0	2	z, zk	6					
Total			21					27				

The subject Fundamentals of Emergency Health Aid is taught in blocks of 7 hours per semester. Hours are not included in the total

The course Diploma Thesis (DT) includes not only individual work of students but also organized teaching for a total of 14 hours/semester in the following division into 2 teaching blocks:

Block 1: student presentations, presenting the status of the DT solution, approval of the DT outline, professional and formal requirements of the written DT, information on the faculty's job search and

Block 2: student presentations with the participation of DT leaders, presenting the almost finished DT.

The conditions and dates of these inspection days are set by the field supervisor at the beginning of the summer semester.